Water Fund Overview

## **Mission Statement**

The mission of the Water Division is to enhance Concord's quality of life, and through sound management, innovation, teamwork and vision, provide dependable, high quality, responsive water utility services, consistent with values and at reasonable costs to Concord's citizens, businesses, institutions and visitors.

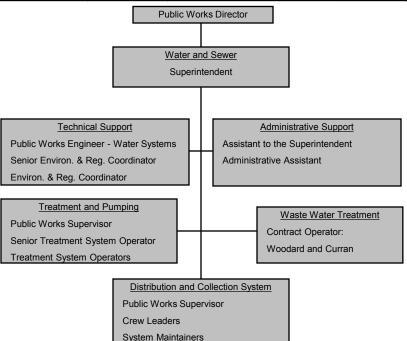
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# **Highlights**

- •The proposed FY13 base level (Step 1) water rate of \$4.24 per unit represents a 3.4% increase over the FY12 rate of \$4.10 per unit. \*See pages IV-3 and IV-14.
- •The proposed FY13 capital investment plan is \$2.37 million with \$1.23 million funded from debt.
- Nagog Pond Filtration: A budget allowance of \$100,000 is proposed for a preliminary design of a Nagog Filtration Plant.
- Water Main Replacement: A budget allowance of \$340,000 is proposed for annual water main replacement activities planned for the Southfield/Riverdale Road neighborhood.
- •The proposed FY13 Operating Income is \$720,759 and Net Income is \$553,706.

		Expe	ndi	ture Summ	ary		
	FΥ	′10 Actual	FΥ	′11 Actual		FY12 Budget	FY13 Proposed
Operating Income	\$	646,395	\$	1,199,850	\$	558,629	\$ 720,759
Net Income	\$	477,365	\$	1,084,369	\$	370,594	\$ 553,706
Fund Balance	\$	4,040,863	\$	6,083,940	\$	4,206,878	\$ 4,103,140



## Description:

Concord received legislative authority to establish a public water system in 1872. Today the system consists of groundwater and surface water sources, a total of seven pumping stations, two advanced treatment facilities, and a high pressure water main network consisting of over 130 miles of pipe. Two covered storage reservoirs, one located at Annursnac Hill and the other located at Pine Hill in Lincoln provide total reserve capacity of 7.5 million gallons.

The 1974 Annual Town Meeting established the Water Fund. Expenses for the water system are covered entirely by user fees. The Water and Sewer Division of Concord Public Works is responsible for managing the day-to-day operations of the water infrastructure. As of 2011, the total value of infrastructure assets was approximately \$18.5 million.

There are presently 5,513 customers receiving potable water service and fire protection from the Town water system. This represents approximately 95% of Concord residents and businesses, along with a small number of Acton properties located on Route 2A.

Water Fund Overview

## The Concord Water System is designed to

meet a variety of customer needs and interests, which include the provision of safe and reliable potable water, high volume flows for fire protection and integrated water resource protection. Activities involving drinking water quality and water withdrawal issues are strictly regulated by the Massachusetts Department of Environmental Protection (MA DEP) and the federal Environmental Protection Agency (EPA).



## **Long Term Financial Stability**

Along with its core mission to operate and maintain the Town's water system in a reliable and efficient manner, the Water Enterprise must also be financially self-supporting. This means that the Water Division is expected to cover all costs associated with operations, capital maintenance and repairs by generating sufficient revenue through user fees and special service fees. The Water Division maintains a detailed 10-year financial proforma to facilitate long range planning for all revenues and anticipated investments.

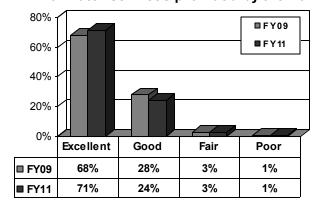
Since the Water Enterprise fund was formally established in 1974, there have been no property tax contributions requested to subsidize annual operations or maintenance of pre-existing infrastructure. Taxpayer contributions would only be sought for major system expansion projects or facility upgrades designed to meet broader community interests. No such projects are presently contemplated.

## Citizen Survey

In the fall of 2006, 2008, and 2010 the Town conducted telephone surveys of 300 randomly selected Concord residents. For the Water Division, two questions were asked. To the right are the results of the question, "How would you rate the overall quality of water service?" Of those who said they use the service, the vast majority (71%) thought that the quality is Excellent and another (24%) thought it is Good.

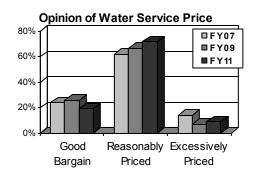
Below are the results of the question, "What is your opinion of the price of water service?" In FY11, of those who said they use the service, 19% thought that the price is a Good Bargain and 72% thought that it is Reasonably Priced. From FY09 to FY11, we see a shift away from the opinion that water services are a good bargain.

# How would you rate the overall quality of water services provided by the Town?



What is your opin Services?	ion of th	ne price	of Town v	vater
	FY05	FY07	FY09	FY11
Good Bargain	N/A	24%	26%	19%
Reasonably Priced	N/A	62%	67%	72%
Excessively Priced	N/A	14%	7%	9%

<sup>\*</sup>Data Source: Autumn of 2006, 2008, and 2010 telephone surveys (300+ residents).



Water Fund Water Rates

#### Water Rates

The total revenue projected to be raised through water user fees in FY13 is: **\$4,206,000** which represents 98% of total Water Fund revenues.

User fees are assessed according to actual measured (metered) use.

Rates are set each year by the Public Works Commission following a public hearing with the following goals:

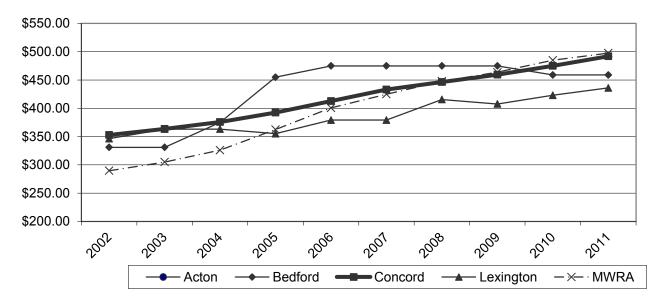
- 1. To ensure that the Division has the resources to operate, maintain, and improve the system;
- 2. To encourage users to conserve water; and
- 3. To minimize rate changes so that water use can be a relatively predictable expense for customers.

# Water Rate Highlights

The FY13 proposed Residential Service (step 1) water rate is \$4.24 per unit (1 unit = 748 gallons)

- •The FY13 rate of \$4.24 represents a 3.4% increase over the FY12 rate of \$4.10.
- •In FY13, the average residential customer is expected to pay a total of \$382 in water use over the course of the year. (The average residential customer is assumed to use 15 units bimonthly at the step 1 residential service cost of \$4.24 per unit.)
- •Customers who consume 25 or more units of water bimonthly will pay a higher rate (a Conservation Step).
- •Property owners who meet certain age and income criteria may qualify for a 50% discount on the step 1 residential rates.

## Average Annual Residential Water Bill



Rate comparisons are provided for general information only; differences exist in the management and financial structure of every system. Concord prides itself on operating as a full cost accounting enterprise where rates are designed to cover O&M, depreciation and long-term investment needs. Concord is one of only 3% of systems within Massachusetts which have adopted a seasonal ascending-block conservation rate structure.

#### **Program Highlights**

The programs and initiatives highlighted below represent the most current efforts undertaken by the Division to address both customer needs and regulatory requirements.

#### **Water Infrastructure Alert:**

American Water Works Association has just completed a national, comprehensive assessment of water system infrastructure needs entitled "Buried No Longer: Confronting America's Water Infrastructure Challenge". This report "is a call to action for utilities, consumers and policy makers and recognizes that the need to replace pipe in the ground". The cost implications are expected to represent "a growing stress on communities that will continue to increase for decades to come." The report identifies a massive investment needed for buried drinking water infrastructure in the United States totaling more than \$1 trillion between now and 2035. The need will double from roughly \$13 billion a year today to almost \$30 billion (in 2010 dollars) annually by the 2040's, and the cost will be met primarily through higher water bills and local fees,

In 2009, the Massachusetts Legislature established its own **Water Infrastructure Finance Commission** to explore this same issue in Massachusetts. The Commission's report, just released, finds that Massachusetts, like other states, faces a substantial water infrastructure gap. Using the best available data, the Commission estimates that the Commonwealth faces a \$10.2 billion gap in resources for drinking water over the next 20 years. The gap estimates include capital investment, repair and replacement, operations & maintenance and debt service. Estimates do not include the cost of evolving regulatory requirements or investments to accommodate economic growth. Operating costs include rising costs such as energy and employee benefits.

As an Enterprise Fund, Concord Water continues to account for long-term water infrastructure replacement and improvement needs. Annual water system replacement projects are planned each year. Water supply investments are also strategically coordinated to eliminate making unnecessary investments before they are operationally prudent or mandated by regulation.

## Nagog Pond Filtration:

Within the next several years, it is increasingly apparent that Concord will be ordered to design and construct a Nagog Pond filtration facility. While Concord has successfully deferred such an investment by maintaining a filtration "waiver" for the better part of 20 years, expanding customer needs coupled with a recent "re-interpretation" of the waiver agreement requires that Town re-assess these planning assumptions.

While a significant reduction in customer demand - especially during peak seasonal "outdoor" demand periods — could help hold off a mandatory trigger for making such an investment, deferral is unlikely. As such, the Water Division has begun to evaluate treatment options. At the same time, we will continue to encourage all customers to be responsive to seasonal water conservation triggers, and use less water during the summer months. Customer response can influence the design and construction schedule of this new facility.



#### Program Highlights (continued)

<u>Water Testing:</u> In accordance with Massachusetts Department of Environmental Protection regulations, all routine and non-routine water quality testing activities continue to demonstrate that the drinking water provided to customers satisfies State and Federal requirements imposed on public water systems. A summary of the water quality test results is available on the Town website, and the Annual Water Quality Report is sent to every customer each spring. In addition to routine testing noted above, lead and copper sampling activities were conducted at designated, reference sample sites located throughout the distribution system during the summer of 2011. Findings once again highlighted the success of ongoing water quality conditioning activities performed at existing water supply treatment systems, especially as they relate to corrosion control and impacts on private plumbing fixtures.

<u>Station Equipment</u>: Ongoing maintenance and inspection of seven water production facilities and related treatment systems continue on a daily basis. Following the cleaning and inspection activities performed within existing treated water storage reservoirs, Solarbee Inc. furnished and installed new submersible mixing systems in both reservoirs. Each mixing system was field-validated over several months via in-house sampling efforts. Sampling confirmed that the introduction of these new, state-of-the-art, water mixing systems has resulted in notable improvements in water quality control within the Town's distribution system.

<u>Nagog Treatment Plant</u>: Nagog Pond continues to operate under a federal filtration waiver awarded due to a highly successful watershed protection program. To address new regulations recently promulgated by the EPA, effective in 2013, specifically identified as the Long-term 2 Enhanced Water Treatment Rule (LT2ESWT), the Town installed a new disinfection system within the Route 2A water pumping facility. This work was done in concert with a significantly larger rehabilitation project planned for this 50-year-old facility. Stantec Consultant Services Inc. (Westford, MA) prepared detailed design and contract plans and specifications for this rehabilitation project, and Barbato Construction (Middleboro, MA) was awarded the construction contract.

<u>Nagog Pond Dam Rehabilitation</u>: Pare Associates (Foxborough, MA) was retained to perform permitting activities and detailed design services required to develop contract plans and specifications for the rehabilitation of Nagog Pond Dam located in Acton, MA. This work is being conducted in accordance with requirements of the Massachusetts Department of Recreation's Office of Dam Safety to bring the dam structure into compliance with Dam Safety Regulations, Chapter 253 Section 44-48 and 302 CMR Section 10.00. In addition to rehabilitating the 15-ft high, 168-ft long concrete dam structure, additional improvements will be made to the low-level outlet, primary spillway, and gate house foundation.

<u>Mains (New/Replacement</u>): James Fenton & Sons Contracting, Inc. (Acton, MA) performing as a subcontractor to Lazaro Paving Corp. replaced 785 ft of 6-inch cast iron water main along Union and Fielding Streets with 8-inch cement-lined ductile iron (CLDI) pipe. This work was performed under the supervision of the Water Division and included renewal of all water services to the edge of the public owned right-of-way. This work was coordinated with the Concord Public Works Roads program which included drainage improvements within this same neighborhood.

<u>Meter Replacement Program</u>: Effort and investment continued on the multi-year meter system upgrade performed in conjunction with CMLP, which involves the installation of a radio-based technology to allow for more efficient and customer-friendly meter-reading capabilities. Now that this phase of the conversion process has been completed, advanced meter reading and billing system opportunities can be explored.

<u>Vactor Equipment Uprade</u>: Vacuum excavation is performed with specialized equipment that uses high-pressure water or pressurized air to break up soils/wastewater debris which is then removed/excavated using a high-flow vacuum system. This specialized equipment is also commonly used for cleaning and maintaining buried sewer collection system infrastructure. The Water and Sewer Division recently upgraded its Vactor truck from a 3-yard capacity to 10-yard capacity which will significantly increase construction safety and productivity associated with routine and emergency water and sewer system maintenance activities. This excavation method also results in less surface damage within the right-of-way and reduces disruption of traffic and other surface activities.

#### **Program Implementation**

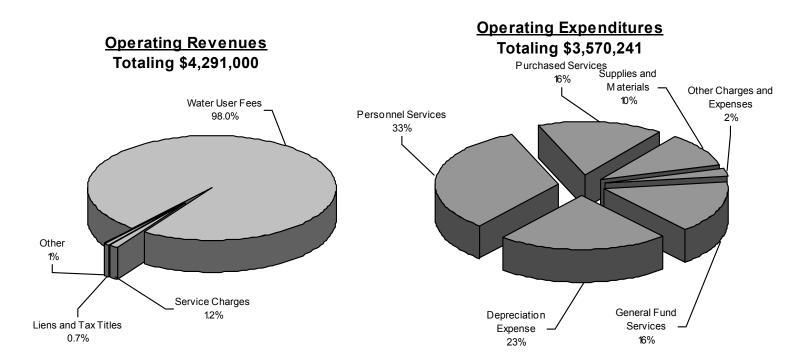
The proposed fiscal year 2013 budget provides for an operating income of \$720,759 and a net income of \$553,706.

Depreciation expense reflects the cost imposed by the annual use, or wear-and-tear, of the Water Division's approximately \$18.5 million worth of infrastructure (as of the end of FY11). The budgeted depreciation expense, totaling \$806,556, represents a depreciation of roughly 4% of these capital assets in FY13.

Personnel Services are budgeted to total \$1,171,179 in FY13, a 3.8% increase from the revised FY12 total of \$1,128,607.

The most significant change in operating expense within the past several years relates to the cost of personal services. For the past two years, two positions within the Division have remained vacant: one Water/Sewer Maintainer and the Conservation Coordinator. The FY13 budget proposes that the temporary Environmental Technician position is changed to a new, permanent, full time position of Environmental & Regulatory Coordinator on June 1, 2012. This position will also assist the newly reclassified Senior Environmental and Regulatory Coordinator within the Division's Conservation programs.

The next largest expense categories are for electricity and chemicals, and these vary widely from year-to-year based on the demand for water. Budgets for these accounts are based on anticipating a relatively strong demand for water, but this demand is directly affected by weather conditions, as well as the water conservation behavior of customers.



## **OPERATING REVENUES (\$)**

			-110 LO ( <i>\</i>				
	FY10		FY11		Rev. FY12		FY13
	Actual		Actual		Budget		Budget
\$	3,668,448	\$	4,264,308	\$	3,957,000	\$	4,206,000
	23,545		67,130		50,000		51,000
	21,867		34,317		30,000		30,000
	5,474		8,574		4,000		4,000
\$	3,719,334	\$	4,374,329	\$	4,041,000	\$	4,291,000
OPE	RATING E	XPE	ENSES (\$)				
	FY10		FY11		Rev. FY12		FY13
	Actual		Actual		Budget		Budget
\$	955,913	\$	996,848	\$	1,128,607	\$	1,171,779
	2,784		(4,560)		-		-
\$	958,697	\$	992,288	\$	1,128,607	\$	1,171,779
	399,865		521,036		574,176		582,865
	381,121		334,581		372,897		371,960
	88,420		46,969		77,412		82,181
	(40,462)		10,814		-		-
\$	828,944	\$	913,400	\$	1,024,485	\$	1,037,006
	513,281		511,732		532,935		554,900
	40,511		16,840		-		-
	731,506		740,219		796,344		806,556
\$	1,285,298	\$	1,268,791	\$	1,329,279	\$	1,361,456
\$	3,072,939	\$	3,174,479	\$	3,482,371	\$	3,570,241
	\$ \$ \$ \$ \$ \$ \$ \$	FY10 Actual \$ 3,668,448 23,545 21,867 5,474 \$ 3,719,334  PPERATING E  FY10 Actual \$ 955,913 2,784 \$ 958,697  399,865 381,121 88,420 (40,462) \$ 828,944  513,281 40,511 731,506 \$ 1,285,298	FY10 Actual  \$ 3,668,448 \$ 23,545 21,867 5,474  \$ 3,719,334 \$   PERATING EXPERATING EXPERATING EXPERATION    FY10 Actual  \$ 955,913 \$ 2,784  \$ 958,697 \$  399,865 381,121 88,420 (40,462)  \$ 828,944 \$  513,281 40,511 731,506  \$ 1,285,298 \$	Actual \$ 3,668,448 \$ 4,264,308 23,545 67,130 21,867 34,317 5,474 8,574 \$ 3,719,334 \$ 4,374,329  PERATING EXPENSES (\$)  FY10 FY11 Actual Actual \$ 955,913 \$ 996,848 2,784 (4,560) \$ 958,697 \$ 992,288  399,865 521,036 381,121 334,581 88,420 46,969 (40,462) 10,814 \$ 828,944 \$ 913,400  513,281 511,732 40,511 16,840 731,506 740,219 \$ 1,285,298 \$ 1,268,791	FY10 FY11 Actual Actual  \$ 3,668,448 \$ 4,264,308 \$ 23,545 67,130 21,867 34,317 5,474 8,574  \$ 3,719,334 \$ 4,374,329 \$  PERATING EXPENSES (\$)  FY10 FY11 Actual Actual  \$ 955,913 \$ 996,848 \$ 2,784 (4,560)  \$ 958,697 \$ 992,288 \$  399,865 521,036 381,121 334,581 88,420 46,969 (40,462) 10,814  \$ 828,944 \$ 913,400 \$  513,281 511,732 40,511 16,840 731,506 740,219  \$ 1,285,298 \$ 1,268,791 \$	FY10 FY11 Rev. FY12 Actual Actual Budget  \$ 3,668,448 \$ 4,264,308 \$ 3,957,000 23,545 67,130 50,000 21,867 34,317 30,000 5,474 8,574 4,000  \$ 3,719,334 \$ 4,374,329 \$ 4,041,000  PERATING EXPENSES (\$)  FY10 FY11 Rev. FY12 Actual Actual Budget  \$ 955,913 \$ 996,848 \$ 1,128,607 2,784 (4,560) -  \$ 958,697 \$ 992,288 \$ 1,128,607  399,865 521,036 574,176 381,121 334,581 372,897 88,420 46,969 77,412 (40,462) 10,814 -  \$ 828,944 \$ 913,400 \$ 1,024,485  513,281 511,732 532,935 40,511 16,840 - 731,506 740,219 796,344  \$ 1,285,298 \$ 1,268,791 \$ 1,329,279	FY10         FY11         Rev. FY12           Actual         Actual         Budget           \$ 3,668,448         \$ 4,264,308         \$ 3,957,000           23,545         67,130         50,000           21,867         34,317         30,000           5,474         8,574         4,000           \$ 3,719,334         \$ 4,374,329         \$ 4,041,000           FY10         FY11         Rev. FY12           Actual         Actual         Budget           \$ 955,913         \$ 996,848         \$ 1,128,607           \$ 958,697         \$ 992,288         \$ 1,128,607           \$ 399,865         521,036         574,176           381,121         334,581         372,897           88,420         46,969         77,412           (40,462)         10,814         -           \$ 828,944         \$ 913,400         \$ 1,024,485           513,281         511,732         532,935           40,511         16,840         -           731,506         740,219         796,344           \$ 1,285,298         \$ 1,268,791         \$ 1,329,279

	AUTH	ORIZED POS	SITIONS (\$)			
	7.0		(4)			
		FY12 Revise	d Budget		FY13 Initial	Budget
Regular Staff		\$ Amount	\$ Amount	Pos	sitions/Hours	\$ Amount
Water and Sewer Superintendent	\$	82,792	0.80 FTEs	\$	82,831	0.80 FTEs
Public Works Engineer - Water Sys	tems	13,173	0.20		13,173	0.20
Assistant to Superintendent		63,361	0.80		63,361	0.80
Sr. Environ. & Regulatory Coord.		53,944	0.80		53,944	0.80
Administrative Assistant		43,640	0.80		43,640	0.80
Public Works Supervisor		116,105	1.60		117,807	1.60
Crew Leader		97,231	1.60		98,608	1.60
Senior Treatment Systems Operato	r	46,662	0.00		48,725	0.80
Treatment System Operator		82,071	2.40		83,168	1.60
System Maintainer		181,698	4.00		183,737	4.00
Environ. & Regulatory Coord.		37,218	0.65		41,000	0.80
Standby Pay (5111)		18,999	0.27		12,713	0.17
Charges to Snow Account		(4,046)	-0.08		(4,046)	-0.08
Charges to Capital Projects		(18,824)	N/A		(18,824)	N/A
Vacancy Savings		(10,024)	N/A		(10,024)	0
Salary Adjustments		_	N/A		32,793	-
7 7	ototal \$	814,024	13.84 FTEs	\$	852,630	13.90 FTEs
Sui	Jilliai φ	014,024	13.04 F1E5	φ	652,650	13.90 F 1ES
5120						
Environmental Technology Intern	\$	8,800	800 hrs.	\$	_	0 hrs.
GIS Project Specialist	·	12,012	624 hrs.	•	14,014	728 hrs.
	ototal \$	20,812	0.68 FTEs	\$	14,014	0.35 FTEs
Employee Benefits						
Health Insurance	\$	72,782	N/A	\$	72,782	N/A
Life Insurance		300	N/A		300	N/A
Dental Insurance		3,500	N/A		3,500	N/A
Retirement Contribution		35,345	N/A		36,158	N/A
OPEB Contribution		74,498	N/A		81,367	N/A
Sub	ototal \$	186,425	N/A	\$	194,107	N/A
Dayrell Tayres						
Payroll Taxes	œ.	0.500	NI/A	œ.	0.500	NI/A
Medicare Tax	\$	9,500	N/A	\$	9,500	N/A
Social Security Contribution		1,500	N/A	Δ.	1,500	N/A
Sur	ototal \$	11,000	N/A	\$	11,000	N/A
Other Personnel Costs						
Overtime (5130)	\$	73,739	1800 hrs.	\$	75,715	1800 hrs.
Overtime (5130) Overtime Adjustments (5130)	Ψ	5,300	N/A	Ψ	4,160	N/A
Salary Adjustment OT (5130)		-	N/A		3,029	N/A
Police Overtime (5131)		7,400	185 hrs.		7,400	800 hrs.
Mobile Phone Allowance		7,400 3,456	N/A		7,400 3,456	000 HIS. N/A
IT Salary (5199)	ototal \$	6,451 96,346	N/A N/A	\$	6,268 100,028	N/A N/A
Suit	στοται φ	50,540	1 1/7	Ψ	100,020	1 1/ /1
Total Personnel	Costs \$	1,128,607	14.53 FTEs	\$	1,171,779	14.25 FTEs

		NET INC	OIVI	E (\$)				
		FY10		FY11		Rev. FY12		FY13
		Actual		Actual		Budget		Budge
Statement of Net Income:								
Operating Revenues	\$	3,719,334	\$	4,374,329	\$	4,041,000	\$	4,291,000
Less Operating Expenses		(3,072,939)		(3,174,479)		(3,482,371)		(3,570,241
Operating Income	\$	646,395	\$	1,199,850	\$	558,629	\$	720,759
Nonoperating Revenues (Expense	es)_							
Add Investment Income	\$	23,813	\$	18,111	\$	14,062	\$	11,090
Add Other Revenue	\$	_	\$	43,873				
Less Interest Expense		(192,843)		(177,465)		(202,097)		(177,744
Issuance Expense		-		_		_		(400)
Nonoperating Income	\$	(169,030)	\$	(115,481)	\$	(188,035)	\$	(167,054)
Nonoperating income	Ψ	(100,000)	Ψ	(110,401)	Ψ	(100,000)	Ψ	(107,004)
Net Income	\$	477,365	\$	1,084,369	\$	370,594	\$	553,706
A	VAI	LABLE RE	SO	URCES (\$)	)			
Resources Available from Current	Ор	erations for F	Repl	acement & R	ene	wal of Facili	ty:	
		FY10		FY11		Rev. FY12		FY13
Capital Purposes		Actual		Actual		Budget		Budge
Add Depreciation Exp. & Cap. Rsv.	\$	731,506	\$	740,219	\$	796,344	\$	806,556
Add Net Income		477,365		1,084,369		370,594		553,706
Add Debt Financing		-		1,500,000		-		400,000
						(070 000)		/470 000
Less Bonds Payable		(560,000)		(550,000)		(670,000)		
Less Bonds Payable  Net Available for Capital	\$	(560,000) 648,871	\$	(550,000) 2,774,588	\$	496,938	\$	(470,000) 1,290,262
		648,871		2,774,588		496,938	\$	
Net Available for Capital		648,871		2,774,588		496,938		
Net Available for Capital  CASH POSIT  Cash at Year Opening  Cash on July 1st		648,871	ID E	2,774,588  BALANCE   5,625,787		496,938 RECAST		1,290,262 3,748,725
Net Available for Capital  CASH POSIT  Cash at Year Opening Cash on July 1st  Add Receivables	ION	648,871	ID E	2,774,588  BALANCE   5,625,787 841,714	FOF	496,938 RECAST		3,748,725 841,714
Net Available for Capital  CASH POSIT  Cash at Year Opening  Cash on July 1st  Add Receivables  Add Inventory	ION	648,871	ID E	2,774,588  BALANCE   5,625,787 841,714 42,455	FOF	496,938 RECAST		3,748,725 841,714 42,455
Cash at Year Opening Cash on July 1st Add Receivables Add Inventory Less Cash held for Liabilities	**************************************	648,871	ID E	2,774,588  BALANCE  5,625,787  841,714  42,455  (426,016)	FOF \$	496,938 RECAST		3,748,725 841,714 42,455 (426,016)
Cash at Year Opening Cash on July 1st Add Receivables Add Inventory Less Cash held for Liabilities	ION	648,871	ID E	2,774,588  BALANCE  5,625,787 841,714 42,455 (426,016) 6,083,940	FOF	496,938 RECAST	13	3,748,725 841,714 42,455 (426,016) 4,206,878
Cash at Year Opening Cash on July 1st Add Receivables Add Inventory Less Cash held for Liabilities Fund Balance on July 1st	**************************************	648,871	ID E	2,774,588  BALANCE  5,625,787 841,714 42,455 (426,016) 6,083,940 Depreciation	* *	496,938 RECAST	13	3,748,725 841,714 42,455 (426,016) 4,206,878 Depreciation
Cash at Year Opening Cash on July 1st Add Receivables Add Inventory Less Cash held for Liabilities Fund Balance on July 1st  Fund Balance Details (projected)	* Op	648,871  I AND FUN  FY  Derating Fund	1D E	2,774,588  BALANCE  5,625,787 841,714 42,455 (426,016) 6,083,940  Depreciation Fund	<b>FOF</b> \$	496,938  RECAST  FY  erating Fund	13	3,748,725 841,714 42,455 (426,016) 4,206,878 Depreciation Fund
Cash at Year Opening Cash on July 1st Add Receivables Add Inventory Less Cash held for Liabilities Fund Balance on July 1st  Fund Balance Details (projected) Fund Balance on July 1st	**************************************	648,871  I AND FUN  FY  Derating Fund 4,811,108	1D E	2,774,588  BALANCE  5,625,787 841,714 42,455 (426,016) 6,083,940 Depreciation	* *	496,938  RECAST  FY  Derating Fund 3,274,702	13	3,748,725 841,714 42,455 (426,016) 4,206,878 Depreciation Fund
Cash at Year Opening Cash on July 1st Add Receivables Add Inventory Less Cash held for Liabilities Fund Balance on July 1st  Fund Balance Details (projected) Fund Balance on July 1st	* Op	648,871  I AND FUN  FY  Derating Fund	1D E	2,774,588  BALANCE  5,625,787 841,714 42,455 (426,016) 6,083,940  Depreciation Fund	<b>FOF</b> \$	496,938  RECAST  FY  erating Fund	13	3,748,725 841,714 42,455 (426,016) 4,206,878 Depreciation
Cash at Year Opening Cash on July 1st Add Receivables Add Inventory Less Cash held for Liabilities Fund Balance on July 1st  Fund Balance Details (projected) Fund Balance on July 1st Net Income	* Op	648,871  I AND FUN  FY  Derating Fund  4,811,108  370,594	1D E	2,774,588  BALANCE  5,625,787 841,714 42,455 (426,016) 6,083,940  Depreciation Fund	<b>FOF</b> \$	496,938  RECAST  FY  Derating Fund  3,274,702 553,706	13	3,748,725 841,714 42,455 (426,016) 4,206,878 Depreciation Fund 932,176
Cash at Year Opening Cash on July 1st Add Receivables Add Inventory Less Cash held for Liabilities Fund Balance on July 1st  Fund Balance Details (projected) Fund Balance on July 1st Net Income Borrowing Proceeds (Repayment)	* Op	648,871  I AND FUN  FY  Derating Fund  4,811,108  370,594	1D E	2,774,588  BALANCE  5,625,787 841,714 42,455 (426,016) 6,083,940 Depreciation Fund 1,272,832	<b>FOF</b> \$	496,938  RECAST  FY  Derating Fund  3,274,702 553,706	13	3,748,725 841,714 42,455 (426,016) 4,206,878 Depreciation Fund 932,176
Cash at Year Opening Cash on July 1st Add Receivables Add Inventory Less Cash held for Liabilities Fund Balance on July 1st  Fund Balance Details (projected) Fund Balance on July 1st Net Income Borrowing Proceeds (Repayment) User Fee Supported Capital Outlay	* Op	648,871  I AND FUN  FY  Derating Fund  4,811,108  370,594  (670,000)	1D E	2,774,588  BALANCE  5,625,787 841,714 42,455 (426,016) 6,083,940 Depreciation Fund 1,272,832 - (1,137,000) - 796,344	<b>FOF</b> \$	496,938  RECAST  FY  Derating Fund  3,274,702  553,706  (70,000)	13	3,748,725 841,714 42,455 (426,016) 4,206,878 Depreciation Fund 932,176
Cash at Year Opening Cash on July 1st Add Receivables Add Inventory Less Cash held for Liabilities Fund Balance on July 1st  Fund Balance Details (projected) Fund Balance on July 1st Net Income Borrowing Proceeds (Repayment) User Fee Supported Capital Outlay Borrowing Supported Capital Rsv. Balance Projected at June 30th	\$ Op	648,871  I AND FUN  FY  Derating Fund  4,811,108  370,594  (670,000)	1D E	2,774,588  BALANCE  5,625,787 841,714 42,455 (426,016) 6,083,940 Depreciation Fund 1,272,832 - (1,137,000) - 796,344 932,176	\$ Op	496,938  RECAST  FY  Derating Fund  3,274,702  553,706  (70,000)	13	3,748,725 841,714 42,455 (426,016) 4,206,878 Depreciation Fund 932,176 - (780,000 - 806,5566 958,732
Cash at Year Opening Cash on July 1st Add Receivables Add Inventory Less Cash held for Liabilities Fund Balance on July 1st  Fund Balance Details (projected) Fund Balance on July 1st Net Income Borrowing Proceeds (Repayment) User Fee Supported Capital Outlay Borrowing Supported Capital Rsv. Balance Projected at June 30th	* Op	648,871  I AND FUN  FY  Derating Fund  4,811,108  370,594  (670,000)  -  (1,237,000)	1D E	2,774,588  BALANCE  5,625,787 841,714 42,455 (426,016) 6,083,940 Depreciation Fund 1,272,832 - (1,137,000) - 796,344	<b>FOF</b> \$	496,938  RECAST  FY  Perating Fund  3,274,702 553,706 (70,000) (614,000)	13	3,748,725 841,714 42,455 (426,016) 4,206,878 Depreciation Fund 932,176 - (780,000 - 806,5566 958,732
Cash at Year Opening Cash on July 1st Add Receivables Add Inventory Less Cash held for Liabilities Fund Balance on July 1st  Fund Balance Details (projected) Fund Balance on July 1st Net Income Borrowing Proceeds (Repayment) User Fee Supported Capital Outlay Borrowing Supported Capital Add Depreciation Exp./Capital Rsv.	\$ Op	648,871  I AND FUN  FY  Derating Fund  4,811,108  370,594  (670,000)  -  (1,237,000)	1D E	2,774,588  BALANCE  5,625,787 841,714 42,455 (426,016) 6,083,940 Depreciation Fund 1,272,832 - (1,137,000) - 796,344 932,176	\$ Op	496,938  RECAST  FY  Perating Fund  3,274,702 553,706 (70,000) (614,000)	13	3,748,725 841,714 42,455 (426,016) 4,206,878 Depreciation Fund 932,176 - (780,000 - 806,5566 958,732
Cash at Year Opening Cash on July 1st Add Receivables Add Inventory Less Cash held for Liabilities Fund Balance on July 1st  Fund Balance Details (projected) Fund Balance on July 1st Net Income Borrowing Proceeds (Repayment) User Fee Supported Capital Outlay Borrowing Supported Capital Add Depreciation Exp./Capital Rsv. Balance Projected at June 30th Fund Balance on June 30th	\$ Op	648,871  I AND FUN  FY  Derating Fund  4,811,108  370,594  (670,000)  -  (1,237,000)	1D E	2,774,588  BALANCE  5,625,787 841,714 42,455 (426,016) 6,083,940 Depreciation Fund 1,272,832 - (1,137,000) - 796,344 932,176	\$ Op	496,938  RECAST  FY  Perating Fund  3,274,702 553,706 (70,000) (614,000)	13	3,748,725 841,714 42,455 (426,016) 4,206,878 Depreciation Fund 932,176  - (780,000 - 806,556 958,732 4,103,140
Cash at Year Opening Cash on July 1st Add Receivables Add Inventory Less Cash held for Liabilities Fund Balance on July 1st  Fund Balance Details (projected) Fund Balance on July 1st Net Income Borrowing Proceeds (Repayment) User Fee Supported Capital Outlay Borrowing Supported Capital Add Depreciation Exp./Capital Rsv. Balance Projected at June 30th Fund Balance on June 30th Cash at Year End (projected)	\$ Op \$	648,871  I AND FUN  FY  Derating Fund  4,811,108  370,594  (670,000)  -  (1,237,000)	1D E	2,774,588  BALANCE  5,625,787 841,714 42,455 (426,016) 6,083,940 Depreciation Fund 1,272,832 - (1,137,000) - 796,344 932,176 4,206,878	\$ \$ Op \$	496,938  RECAST  FY  Perating Fund  3,274,702 553,706 (70,000) (614,000)	13	3,748,725 841,714 42,455 (426,016) 4,206,878 Depreciation Fund 932,176  - (780,000 - 806,556 958,732 4,103,140
Cash at Year Opening Cash on July 1st Add Receivables Add Inventory Less Cash held for Liabilities Fund Balance on July 1st  Fund Balance Details (projected) Fund Balance on July 1st Net Income Borrowing Proceeds (Repayment) User Fee Supported Capital Outlay Borrowing Supported Capital Add Depreciation Exp./Capital Rsv. Balance Projected at June 30th Fund Balance on June 30th Cash at Year End (projected) Fund Balance on June 30th Less Receivables Less Inventory	\$ Op \$	648,871  I AND FUN  FY  Derating Fund  4,811,108  370,594  (670,000)  -  (1,237,000)	1D E	2,774,588  BALANCE  5,625,787 841,714 42,455 (426,016) 6,083,940 Depreciation Fund 1,272,832 - (1,137,000) - 796,344 932,176 4,206,878	\$ \$ Op \$	496,938  RECAST  FY  Perating Fund  3,274,702 553,706 (70,000) (614,000)	13	3,748,725 841,714 42,455 (426,016) 4,206,878 Depreciation Fund 932,176 - (780,000 - 806,556 958,732 4,103,140 (841,714)
Cash at Year Opening Cash on July 1st Add Receivables Add Inventory Less Cash held for Liabilities Fund Balance on July 1st  Fund Balance Details (projected) Fund Balance on July 1st Net Income Borrowing Proceeds (Repayment) User Fee Supported Capital Outlay Borrowing Supported Capital Outlay Borrowing Supported Capital Add Depreciation Exp./Capital Rsv. Balance Projected at June 30th Fund Balance on June 30th  Cash at Year End (projected) Fund Balance on June 30th Less Receivables Less Inventory Add Unspent Borrowing	\$ Op \$	648,871  I AND FUN  FY  Derating Fund  4,811,108  370,594  (670,000)  -  (1,237,000)	1D E	2,774,588  BALANCE  5,625,787 841,714 42,455 (426,016) 6,083,940 Depreciation Fund 1,272,832 - (1,137,000) - 796,344 932,176 4,206,878 (841,714) (42,455)	\$ \$ Op \$	496,938  RECAST  FY  Perating Fund  3,274,702 553,706 (70,000) (614,000)	13	3,748,725 841,714 42,455 (426,016) 4,206,878 Depreciation Fund 932,176  (780,000 - 806,556 958,732 4,103,140 (841,714) (42,455
Cash at Year Opening Cash on July 1st Add Receivables Add Inventory Less Cash held for Liabilities Fund Balance on July 1st  Fund Balance Details (projected) Fund Balance on July 1st Net Income Borrowing Proceeds (Repayment) User Fee Supported Capital Outlay Borrowing Supported Capital Add Depreciation Exp./Capital Rsv. Balance Projected at June 30th Fund Balance on June 30th Cash at Year End (projected) Fund Balance on June 30th Less Receivables	\$ Op \$	648,871  I AND FUN  FY  Derating Fund  4,811,108  370,594  (670,000)  -  (1,237,000)	1D E	2,774,588  BALANCE  5,625,787 841,714 42,455 (426,016) 6,083,940 Depreciation Fund 1,272,832 - (1,137,000) - 796,344 932,176 4,206,878 (841,714)	\$ \$ Op \$	496,938  RECAST  FY  Perating Fund  3,274,702 553,706 (70,000) (614,000)	13	3,748,725 841,714 42,455 (426,016) 4,206,878 Depreciation Fund 932,176

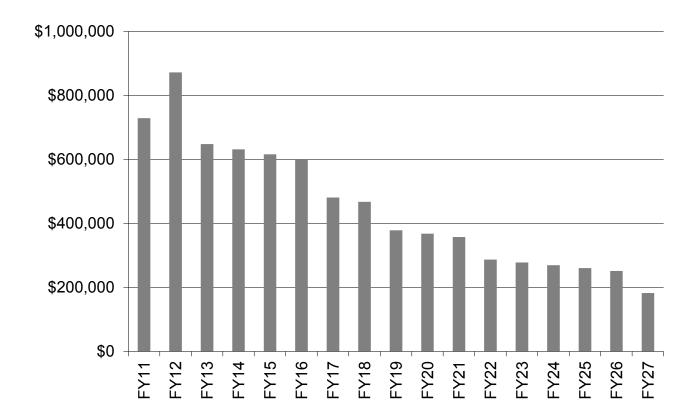
	DEBT SEF	RVI	CE (\$)		
Cash Basis	FY10		FY11	Rev. FY12	FY13
Long-Term Debt Repayment	Actual		Actual	Budget	Budget
Principal	\$ 560,000	\$	550,000	\$ 670,000	\$ 470,000
Interest	192,843		177,465	202,097	177,744
Debt Issuance Expense	-		-	-	400
Total	\$ 752,843	\$	727,465	\$ 872,097	\$ 648,144

# PAYMENTS TO THE GENERAL FUND (\$)

	FY10	FY11	Rev. FY12	FY13
	Actual	Actual	Budget	Budge
Management & Engineering				
Highway Maintenance	\$ 15,677	\$ 15,995	\$ 16,530	\$ 16,727
133/135 Keyes Road	52,371	49,476	45,511	49,168
Public Works Engineering	64,717	62,752	67,896	68,114
Public Works Administration	72,197	74,190	77,663	77,486
Subtotal	\$ 204,962	\$ 202,413	\$ 207,600	\$ 211,495
Finance & Administrative				
Town Manager	\$ 52,627	\$ 52,800	\$ 55,052	\$ 55,502
Human Resources	13,500	14,233	15,460	16,577
Town Accountant				
Accounting Services	43,770	43,494	45,491	46,531
Audit Services	6,000	6,000	6,000	6,000
Treasurer-Collector	44,845	46,652	48,041	48,764
Finance Administration	66,234	62,390	66,626	64,077
Information Systems (Direct Charge)	-	-	-	-
Town House Facility	5,973	6,990	7,157	6,828
Subtotal	\$ 232,949	\$ 232,559	\$ 243,827	\$ 244,279
Natural Resources				
Planning Administration	\$ 32,925	\$ 33,903	\$ 35,709	\$ 35,324
Natural Resource Protection	20,675	21,065	22,715	22,734
Health Department Services	21,770	21,792	23,084	23,261
Subtotal	\$ 75,370	\$ 76,760	\$ 81,508	\$ 81,319
Salary Reserve	-	-	-	17,807
Audit Adjustments	-	-	-	-
Totals	\$ 513,281	\$ 511,732	\$ 532,935	\$ 554,900

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Fiscal Year	Principal	Interest	Totals
FY11	550,000	178,669	728,669
FY12	670,000	202,097	872,097
FY13	470,000	177,744	647,744
FY14	470,000	161,394	631,394
FY15	470,000	146,144	616,144
FY16	470,000	130,681	600,681
FY17	370,000	110,706	480,706
FY18	370,000	97,388	467,388
FY19	295,000	83,213	378,213
FY20	295,000	73,050	368,050
FY21	295,000	62,450	357,450
FY22	235,000	51,850	286,850
FY23	235,000	43,050	278,050
FY24	235,000	34,250	269,250
FY25	235,000	25,300	260,300
FY26	235,000	16,275	251,275
FY27	175,000	7,175	182,175
Totals	\$ 6,075,000	\$ 1,601,436	\$ 7,676,436



# **Capital Spending**

## **DISTRIBUTION SYSTEM**

**Mains (New/Replacement): \$340,000** - Annual capital outlay for improvements and extension to distribution system including water services within the right of way. The water distribution system consists of over 130 miles of water main ranging in size from 6-inch to 16-inch. The replacement/rehabilitation program is designed to replace aging and deteriorating main in a methodical and prudent manner. Plan of work includes the beginning of a replacement initiative in the Southfield Road neighborhood.

**Meter Replacement Program:** \$50,000 - Water fund portion of costs associated with system-wide meter replacement efforts. Effort expanded in coordination with CMLP to allow for inclusion of radio-read and smart meter technology for improved meter-reading and demand-management capabilities.

**Hydrants:** \$33,000 - Concord Water conducts annual hydrant inspection and replacement activities to insure all hydrants operate properly. Budget includes costs to replace approximately 15 of the 1,200 hydrants in the distribution system.

#### **STRUCTURES**

**Station Structures:** \$55,000 - Annual capital outlay for improvements and replacement of station structures. Planned work includes rehabilitation of one of the nine groundwater wells in the system and phase II of the access management control initiative.

**Pumping Station Equipment: \$22,000** - Annual capital outlay for improvements and replacement of station equipment used to control, monitor, pump, store, and treat water including motors, pumps, motor control panels, and chemical feed systems. Presently, the Water Division is served by eight water supply pumping facilities and two storage reservoirs.

**Reservoir Improvements:** \$58,000 - Capital outlay for improvements and replacement of reservoirs. A detailed inspection of the Annursnac Hill Reservoir, a 2.5 million gallon storage structure, revealed long-term rehabilitation needs including the installation of a concrete liner and the replacement of the existing mixing system. Planned work includes costs to complete design effort.

**Nagog Treatment Plant:** \$100,000 – Due to continuation of successful resource protection and source management efforts, the Water Division has continued to maintain an existing filtration waiver. As a direct result of increasing regulatory and operational pressures, an evaluation of treatment technologies will be performed to better understand feasible alternatives with a goal of designing and constructing a filtration facility within the next few years. Alternative funding sources, such as sale of property or siting of renewable energy facilities, will be considered. Preliminary design of a filtration system is \$100,000. Final design is anticipated to be completed in FY 2014.

**Nagog Dam Rehabilitation:** \$614,000 Nagog Pond Dam is a 15-ft high, 168-ft long concrete gravity section dam containing a sharp-crested spillway with a steel weir plate. The dam was originally constructed in 1909 as part of the development of Nagog Pond for use as an active water supply for the Town of Concord. Planned work includes construction/rehabilitation of the dam.

#### **GENERAL PLANT**

**Keyes Road Facility \$50,000** - Capital outlay for improvements to Water/Sewer Administrative Office and Garage facilities. Planned work includes construction of electrical room rehab/upgrades (which will accommodate SCADA/Records Room area and reconfiguration/replacement of Emergency Generator).

**Vehicles** \$40,000 - Water/Sewer Fleet consists of 17 service vehicles and miscellaneous equipment such as compressor, vacuum, skid steer, and forklifts which are replaced in accordance with CPW criteria based on industry-accepted useful-life measures. Budget allowance includes the replacement of a pick-up truck and a Hybrid SUV.

**Miscellaneous Equipment** \$20,000 - Miscellaneous equipment not included in 5-year capital equipment/vehicle plan.

#### SUPPLY/CAPACITY

**Source Protection** \$12,000 – Funds for ongoing implementation of water resource protection program.

**Capital Spending Plan** 

		apitai Spe	<u> IIUII</u>	ig Flaii				
		FY10		FY11		Rev. FY12		FY13
Capital Activities		Actual		Actual		Budget		Estimate
Distribution System								
Mains (0111)	\$	238,041	\$	202,003	\$	320,000	\$	340,000
Meters (0112)		19,576		9,616		36,000		50,000
Hydrants (0114)		-		28,157		33,000		33,000
Services (0113)		-		-		13,000		-
Bridge Main (0116)		10,836		-		-		-
Subtotal	\$	268,453	\$	239,776	\$	402,000	\$	423,000
<u>Structures</u>								
Station Structures (0121)	\$	-	\$	173,074	\$	339,000	\$	55,000
Pumping Station Equipment (0122)		26,021		20,451		45,000		22,000
Reservoir Improvements		-		113,365		68,000		58,000
Nagog Improvements (0136)		60,414		89,484		1,322,000		714,000
Iron & Manganese Removal Project		-		10,837		-		-
		-		-		-		-
Subtotal	\$	86,435	\$	407,211	\$	1,774,000	\$	849,000
<b>General Plant</b>								
135 Keyes Road (0135)	\$	-	\$	20,604	\$	32,000	\$	50,000
Vehicles (0236)		27,366		55,993		134,000		40,000
Miscellaneous Equipment		-		4,659		12,000		20,000
Depreciable - Personnel (0899)		14,403		15,792		-		-
Depreciable - Equipment (0899)		-		-		-		-
Subtotal	\$	41,769	\$	97,048	\$	178,000	\$	110,000
Supply and Capacity						_		
Source Protection (0124)	\$	-	\$	2,050	\$	20,000	\$	12,000
Subtotal	\$	-	\$	2,050	\$	20,000	\$	12,000
<b></b>								
Audit Adjustments			_					
Audit Adjustment (Personnel)	\$	_	\$	-	\$	-	\$	-
Audit Adjustment (Other)		41,169		-				
Subtotal	\$	41,169	\$	-	\$	-	\$	-
Total Capital Uses	\$	437,826	\$	746,085	\$	2,374,000	\$	1,394,000
Funding the Capital Plan								
From Debt				09 754		1 237 000		614 000
		427 020		98,754		1,237,000		614,000
From Water Fund Resources	¢	437,826	ø	647,331	÷	1,137,000	÷	780,000
Total Capital Sources	<b>\$</b>	437,826	Þ	746,085	\$	2,374,000	\$	1,394,000

Water Fund Pro-forma

Water Fund: Plan and Projection	BUDGET	PROJECTION	Z										10 years
•		FY 2012	2013	FY 2014 F	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 13-22
Operating Revenue User Fees Other Subtotal	4,264,308 110,022 4,374,330	3,957,000 <u>84,000</u> 4,041,000	4,206,000 <u>85,000</u> 4,291,000	4,402,000 <u>86,000</u> 4,488,000	4,545,000 <u>87,000</u> 4,632,000	4,732,000 <u>88,000</u> 4,820,000	4,927,000 <u>89,000</u> 5,016,000	5,131,000 <u>90,000</u> 5,221,000	5,343,000 <u>91,000</u> 5,434,000	5,563,000 <u>92.000</u> 5,655,000	5,790,000 <u>93,000</u> 5,883,000	6,026,000 <u>94,000</u> 6,120,000	50,665,000 <u>895,000</u> 51,560,000
Operating Expense O & M Depreciation Subtotal	2,434,260 <b>740,219</b> 3,174,479	2,686,027 796.344 3,482,371	2,763,685 806,556 3,570,241	2,849,850 909.142 3,758,992	2,938,828 646.653 3,585,481	3,147,694 1.181.859 4,329,553	3,246,112 1,494,643 4,740,756	3,347,762 1,468,021 4,815,783	3,452,760 1,436,761 4,889,520	3,561,227 1.315.302 4,876,529	3,673,290 1,233,014 4,906,304	3,789,081 1,238,886 5,027,967	32,770,288 11,730,837 44,501,126
Operating Income	1,199,851	558,629	720,759	729,008	1,046,519	490,447	275,244	405,217	544,480	778,471	976,696	1,092,033	7,058,874
ADD: Interest Income Miscellaneous Non-Operating Income	<b>18,111</b>	14,062	11,090	18,142	28,505	40,087	49,036	55,058	62,621	74,843	90,681	112,382	542,447
LESS: Interest Expense Existing Debt Future Debt Bond Anticipation Notes (BANs)	177,465 0 43,872	157,869 44,228 0	136,869 40,875 0 400	124,119 53,275 2,000 6,882	111,269 49,808 21,615 34,820	98,206 190,442 60,000 60,000	81,831 478,575 0	72,113 451,708 0	62,738 423,642 0	56,175 396,775 0	56,175 396,775 0	49,175 369,908 0	848,670 2,851,783 83,615
Net Income	1,084,369	370,594	553,706	560,875	857,511	121,886	-236,125	-63,547	120,722	400,364	614,427	785,332	3,715,152
Available Resources from:  Net income Depreciation expense & capital reserve subtotal Bond proceeds Loan proceeds	1,084,369 740.219 1,824,588 1,500,000	370,594 796.344 1,166,938	553,706 806.556 1,360,261 400,000	560,875 909,142 1,470,016 400,000 2,882,000	857,511 646,653 1,504,164 2,882,000 6,000,000	121,886 1,181,859 1,303,745 6,000,000	-236,125 1.494,643 1,258,518	-63,547 1,468,021 1,404,475	120,722 1.436,761 1,557,482	400,364 1,315,302 1,715,666	614,427 1,233,014 1,847,441	785,332 1,238,886 2,024,218	3,715,152 11,730.837 15,445,989 9,282,000 9,282,000
LESS: Principal repayments Existing Debt New Debt BAN Repayment	<b>550,000</b>	550,000	350,000 120,000	350,000 146,667 400,000	350,000 146,667 2,882,000	350,000 290,667 6,000,000	250,000	250,000	175,000	175,000	175,000	175,000 530,667	2,600,000 4,188,003 9,282,000
Net Available for Capital Purposes	2,774,588	496,938	1,290,261	3,855,349	7,007,497	663,078	417,851	563,808	791,815	949,999	1,081,774	1,318,551	17,939,986
Capital Plan	728,194	2,374,000	1,394,000	3,888,000	6,630,000	623,000	627,000	855,000	678,000	726,000	715,000	735,000	735,000 16,871,000
Cash Position Beginning balance	3,494,851	5,625,788	3,748,725	3,644,987	3,612,336	3,989,833	4,029,912	3,820,763	3,529,571	3,643,386	3,867,386	4,234,160	
ADD: Net available	2,774,588	496,938	1,290,261	3,855,349	7,007,497	663,078	417,851	563,808	791,815	949,999	1,081,774	1,318,551	
LESS: Planned Capital adjustment to cash flow	<b>728,194</b> 84,543	2,374,000	1,394,000	3,888,000	6,630,000	623,000	627,000	855,000	678,000	726,000	715,000	735,000	
Ending balance	5,625,788	3,748,725	3,644,987	3,612,336	3,989,833	4,029,912	3,820,763	3,529,571	3,643,386	3,867,386	4,234,160	4,817,711	

Water Fund Water Rates

## **WATER RATES**

(Per 100 Cubic Feet)

	· ·		Current		oposed					
W-11	Class of Customer	FY12		FY13			%Chg.			
1 & 2	Residential Service (1 unit = 100 cubic feet = 748 gallons)									
	1st Step: (all year)	\$	4.10	\$	4.24	**	3.4%			
	Conservation Step*: (25 - 48 units)	\$	8.20	\$	8.48		3.4%			
	Conservation Step*: (over 48 units)	\$	10.25	\$	10.60		3.4%			
	*May 1st through October 31st									
3	General Service									
	1st Step: (all year)	\$	4.10	\$	4.24		3.4%			
	2nd Step: (all year) (over 50 units bimonthly)	\$	5.21	\$	5.39		3.5%			
4	Municipal Service									
	1st Step: (all year)	\$	4.04	\$	4.18		3.5%			
	Interruptible Outdoor Irrigation use									
5	Second Meter Service									
	A. Irrigation/Pool or Accessory use:									
	1st Step: (all year)	\$	8.20	\$	8.48		3.4%			
	Conservation Step: (over 48 units bimonthly, May 1st through October 31st)	\$	10.25	\$	10.60		3.4%			
	B. Non-Irrigation Commercial/Industrial	\$	5.21	\$	5.39		3.5%			

<sup>\*\*</sup>A 50% discount on Step 1 water consumption, up to a maximum of 24 units in a bimonthly billing period, is provided for customers of record who meet certain age and income eligibility criteria.

		(	Current		roposed		Annual	M	lonthly	%
	Sample Impacts		Annual		Annual		Change	Change		Chg.
1a	Average Residential Customer	\$	369	\$	382	\$	12.60	\$	1.05	3.4%
	(15 units bimonthly)									
	Approximately two-thirds of residential custo	me	ers							
	normally use less than the Conservation step threshold.									
1b	Large Summertime Residential Customer	\$	996	\$	1,030	\$	34.02	\$	2.84	3.4%
	(40 units bimonthly during summer;									
	25 units bimonthly rest of year)									
1c	Larger Summertime Residential Customer	\$	1,562	\$	1,615	\$	53.34	\$	4.45	3.4%
	(60 units bimonthly during summer;									
	25 units bimonthly rest of year)									
3a	Small Commercial Customer	\$	984	\$	1,018	\$	33.60	\$	2.80	3.4%
	(40 units bimonthly)									
İ	Approximately two-thirds of commercial/institutional/Gov't									
İ	customers normally use less than than the 2nd step threshold.									
3b	Large Commercial Customer									
	(5,000 units bimonthly)	\$1	55,967	\$	161,355	\$	5,388	\$ 4	149.00	3.5%
5a	Small Municipal Customer									
	(47 units bimonthly)	\$	1,139	\$	1,179	\$	39	\$	3.29	3.5%
5b	Large Municipal Customer		•		•	•				
	(600 units bimonthly)	\$	14,544	\$	15,048	\$	504	\$	42.00	3.5%
	(add dilite billionally)	Ψ	,5	Ψ	. 5,5 15	Ψ	301	Ψ	00	0.070

